

Figure 1: $n = 1-3$; $X_7 = H, OH$; $Y_7 = H, SO_3^-, CO_2H, CH_2CO_2H, CH_2OH$

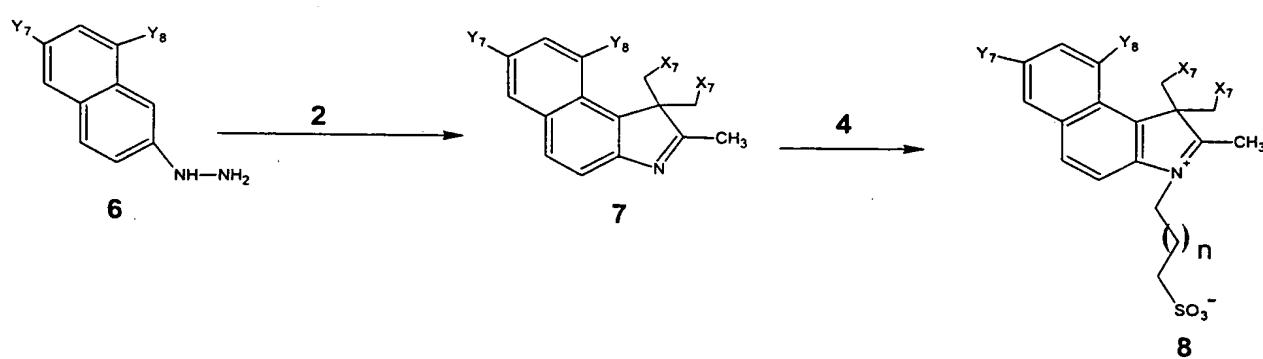


Figure 2: $n = 1-3$; $X_7 = H, OH$; $Y_7, Y_8 = H, SO_3^-, CO_2H, CH_2CO_2H, CH_2OH$

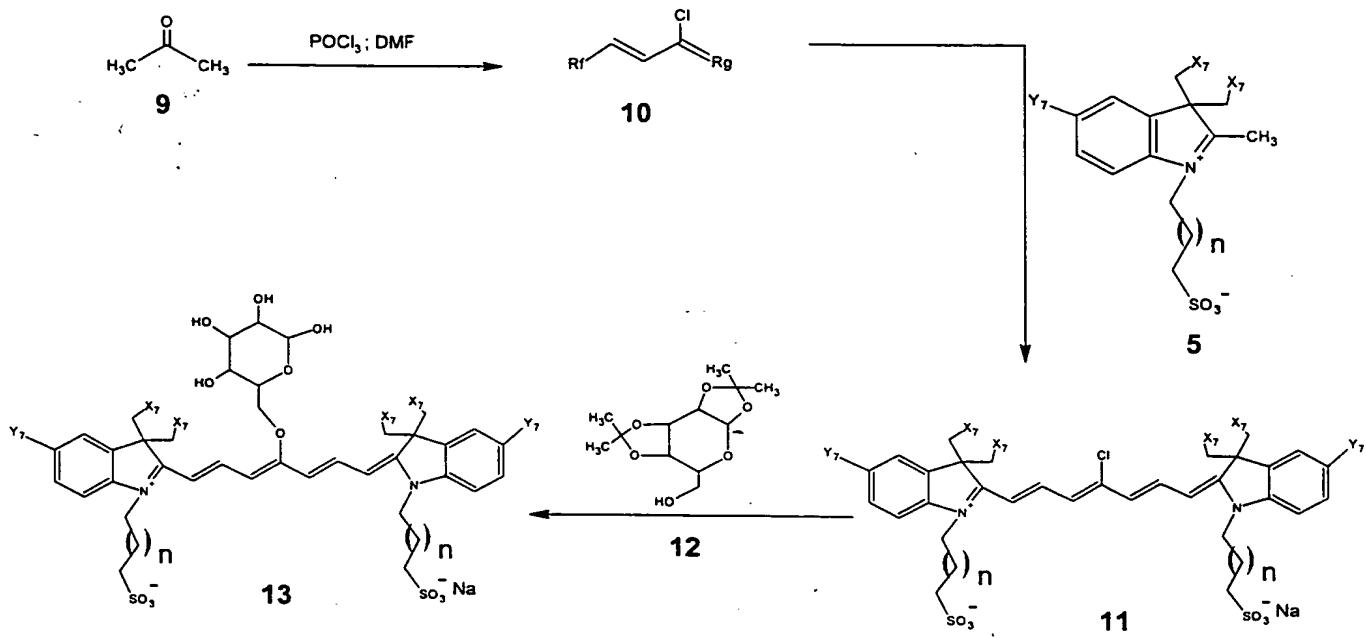


Figure 3: $n = 1-3$; $X_7 = H, OH$; $Y_7 = H, SO_3^-$, CO_2H , CH_2CO_2H , CH_2OH ; $R_f = (CH_3)_2N$ or OH ; $R_g = (CH_3)_2N^+$ or CHO

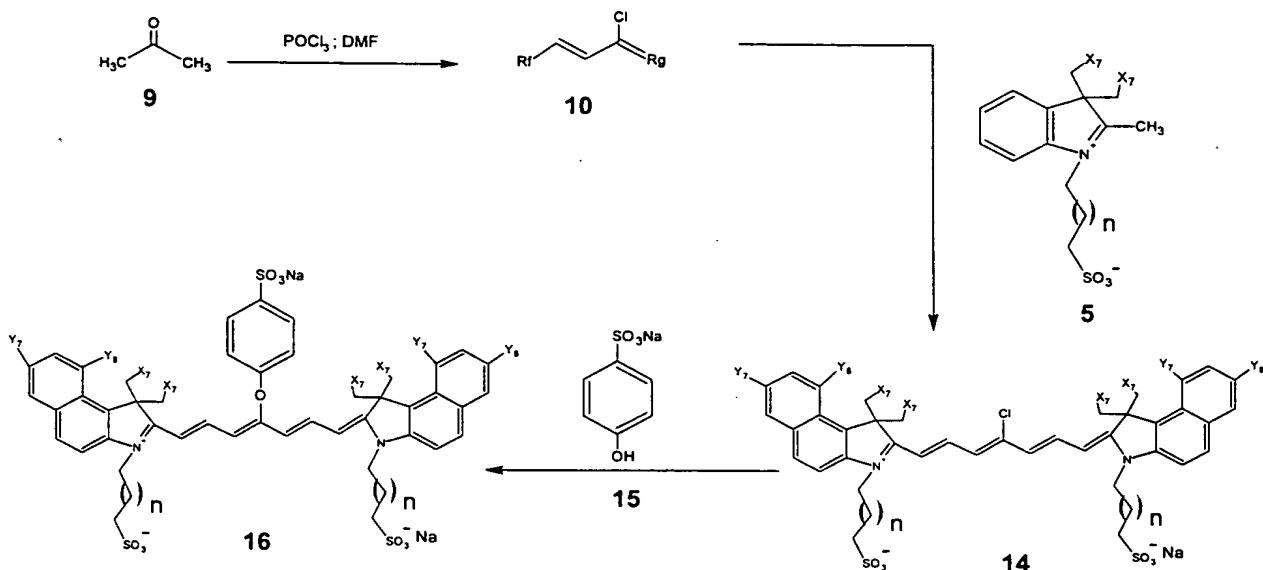


Figure 4: $n = 1-3$; $X_7 = H, OH$; $Y_7 = H, SO_3^-$, CO_2H , CH_2CO_2H , CH_2OH ; $R_f = (CH_3)_2N$ or OH ; $R_g = (CH_3)_2N^+$ or CHO

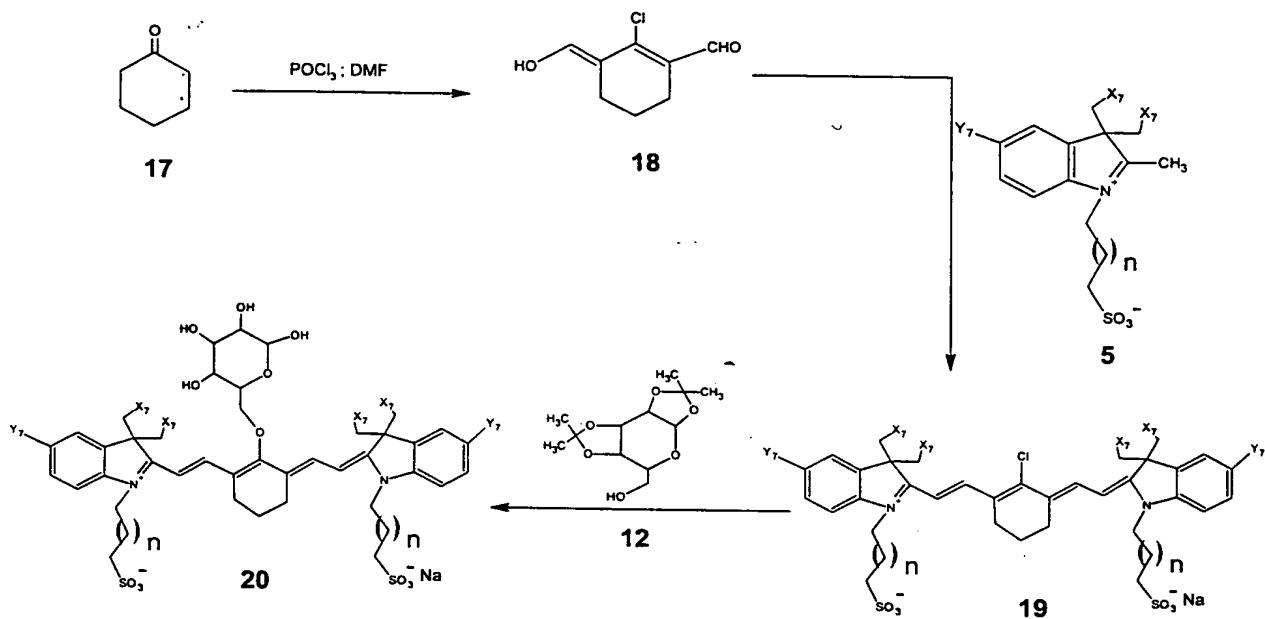


Figure 5: $n = 1-3$; $X_7 = \text{H}, \text{OH}$; $Y_7 = \text{H}, \text{SO}_3^-$, CO_2H , $\text{CH}_2\text{CO}_2\text{H}$, CH_2OH

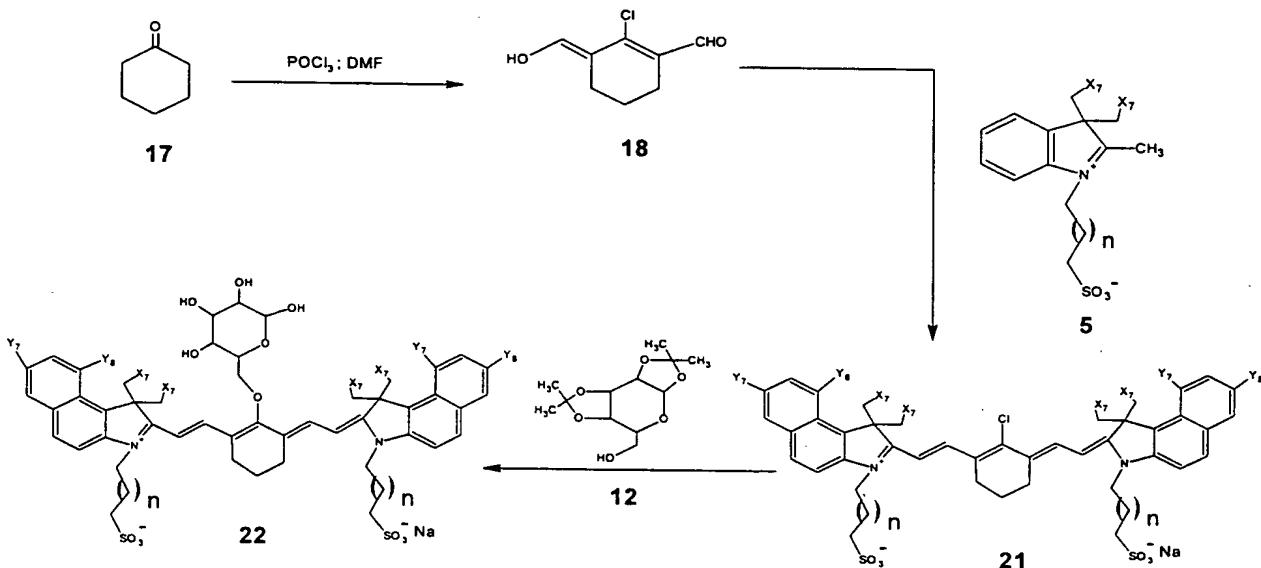


Figure 6: $n = 1-3$; $X_7 = \text{H}, \text{OH}$; $Y_7, Y_8 = \text{H}, \text{SO}_3^-$, CO_2H , $\text{CH}_2\text{CO}_2\text{H}$, CH_2OH

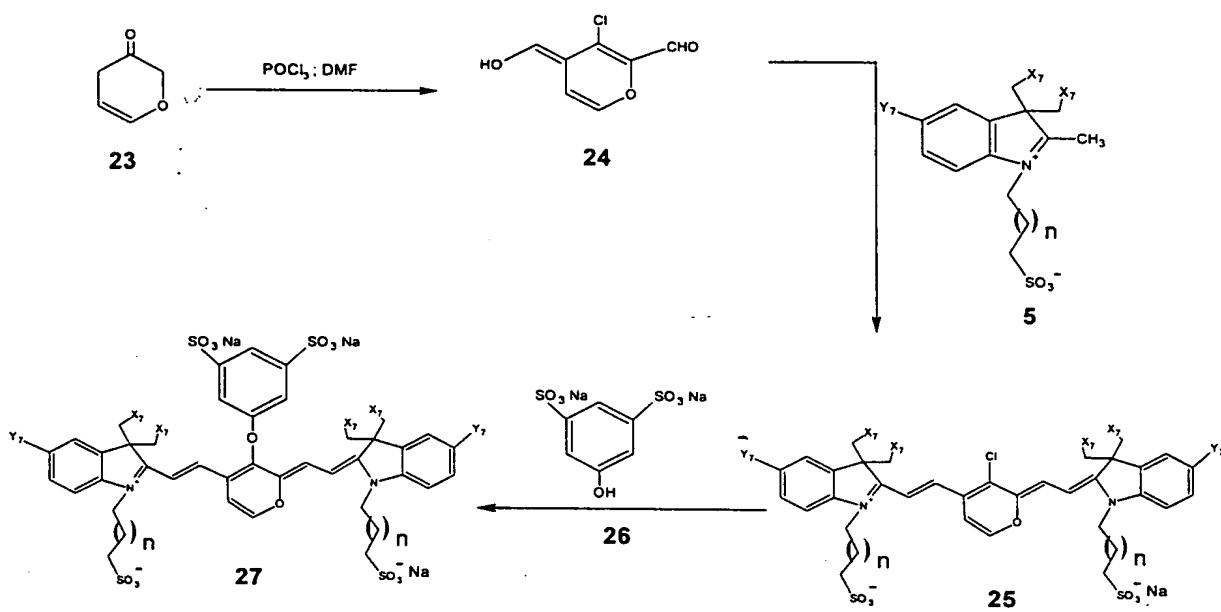


Figure 7: $n = 1-3$; $X_7 = \text{H}, \text{OH}$; $Y_7, Y_8 = \text{H}, \text{SO}_3^- \text{Na}, \text{CO}_2\text{H}, \text{CH}_2\text{CO}_2\text{H}, \text{CH}_2\text{OH}$

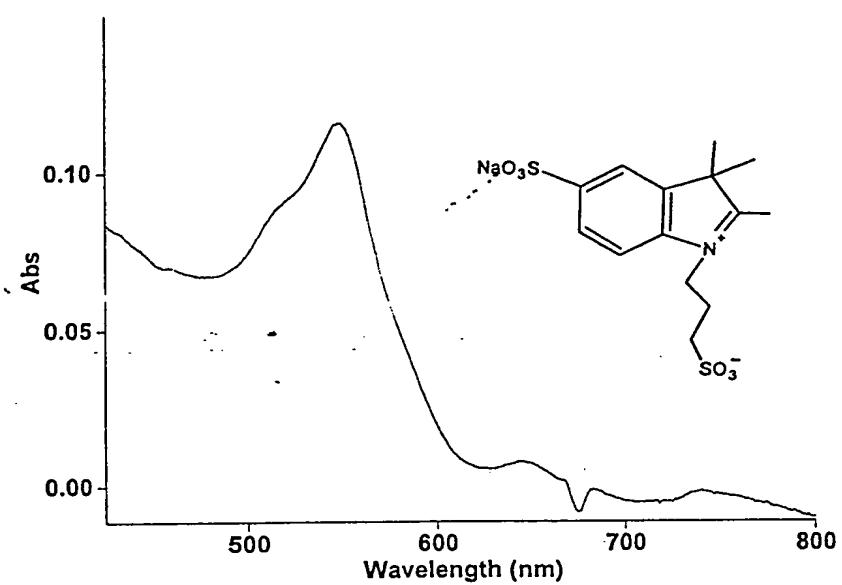


Figure 8a

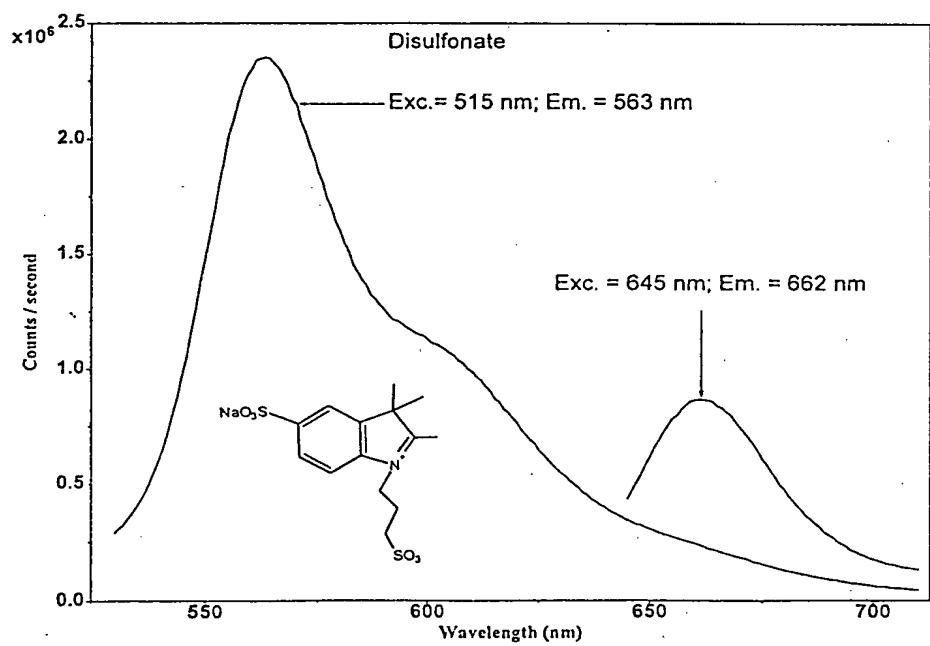


Figure 8b

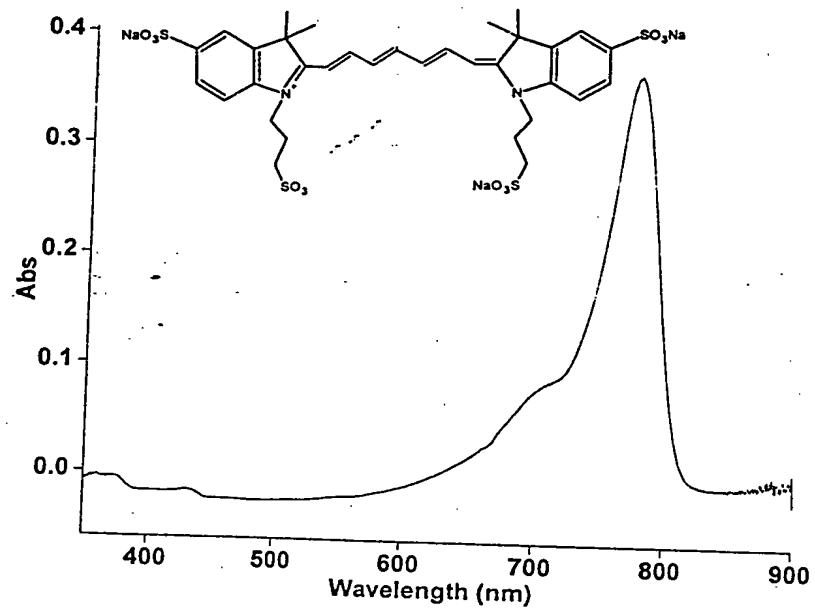


Figure 9a

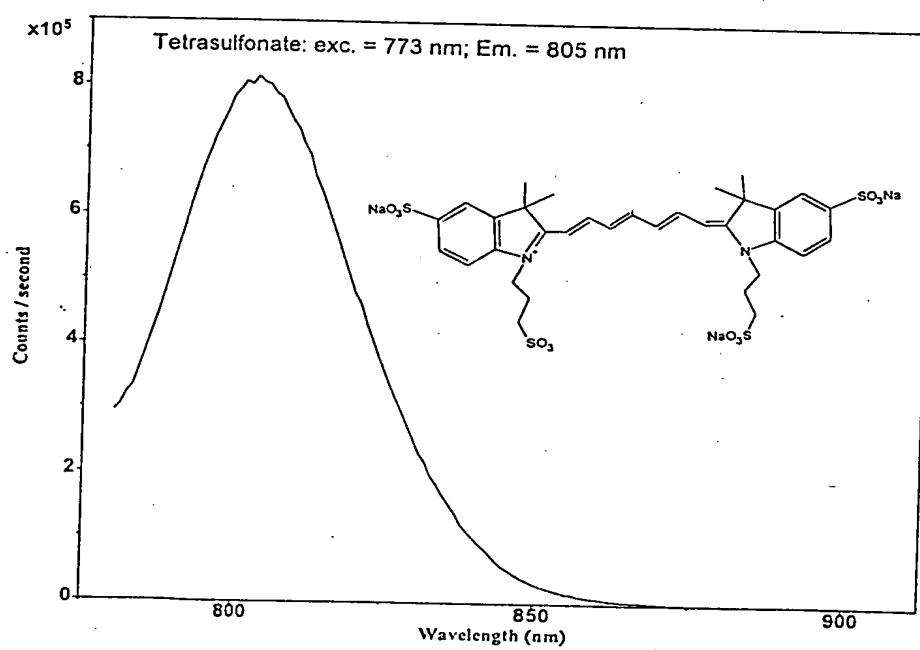


Figure 9b

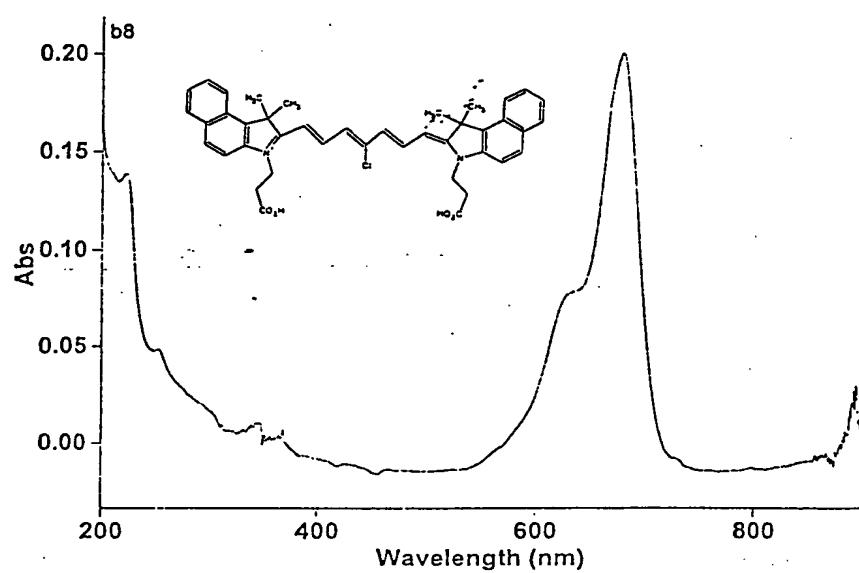


Figure 10a

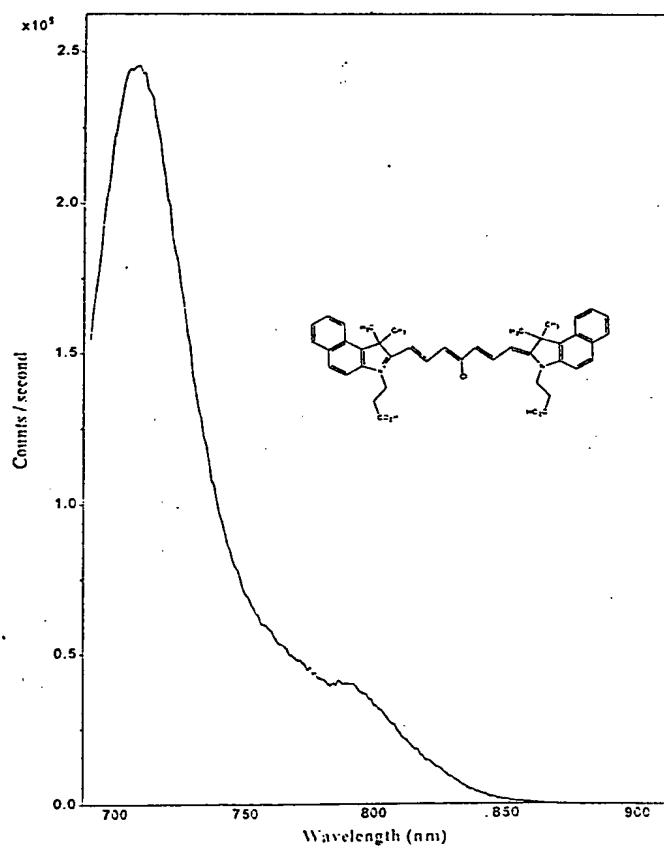


Figure 10b

Blood clearance of hydrophilic polyaspartic acid-cyanine dye

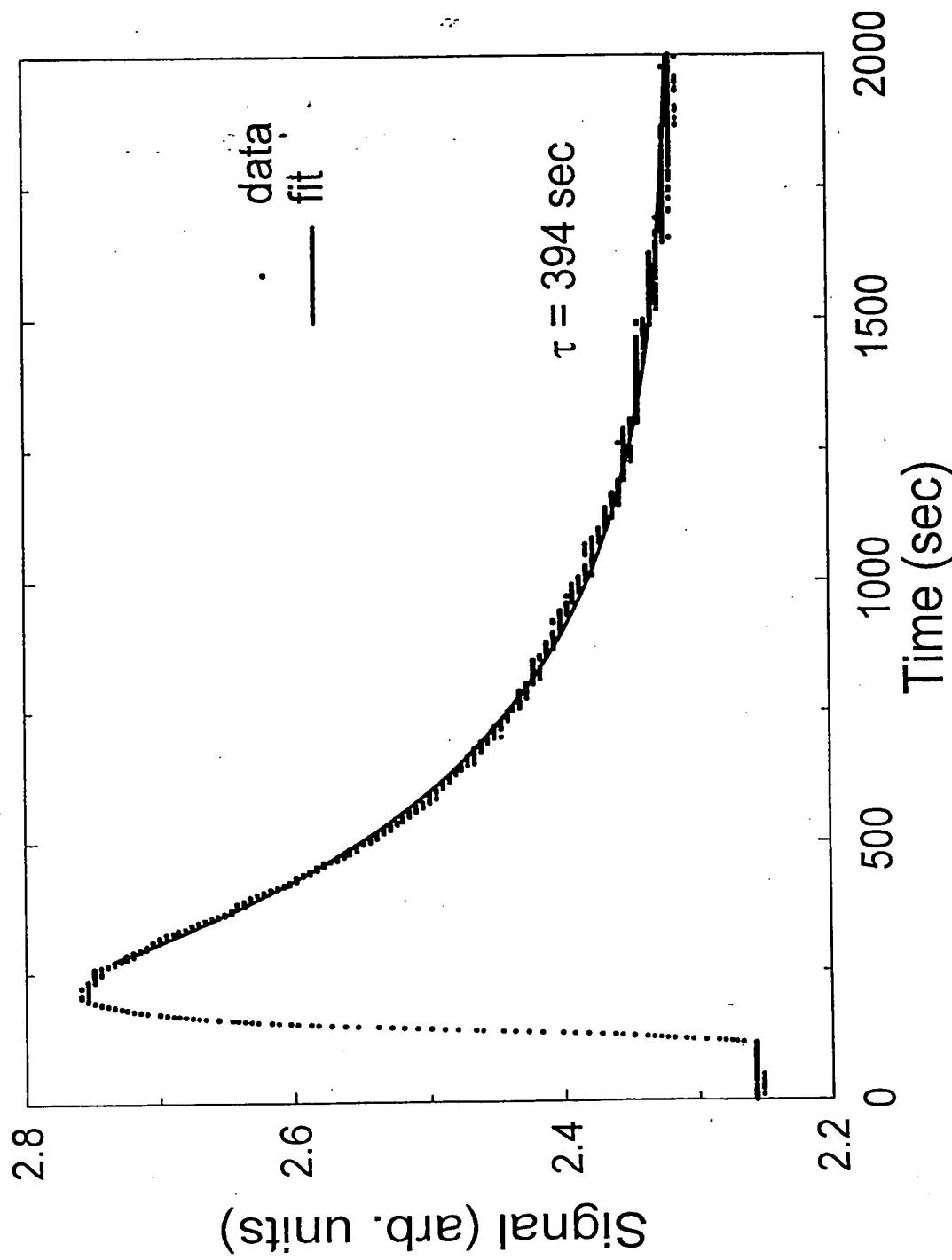


Figure 11

Blood clearance profile of cyanine dye-polyaspartic acid (30 kDa)

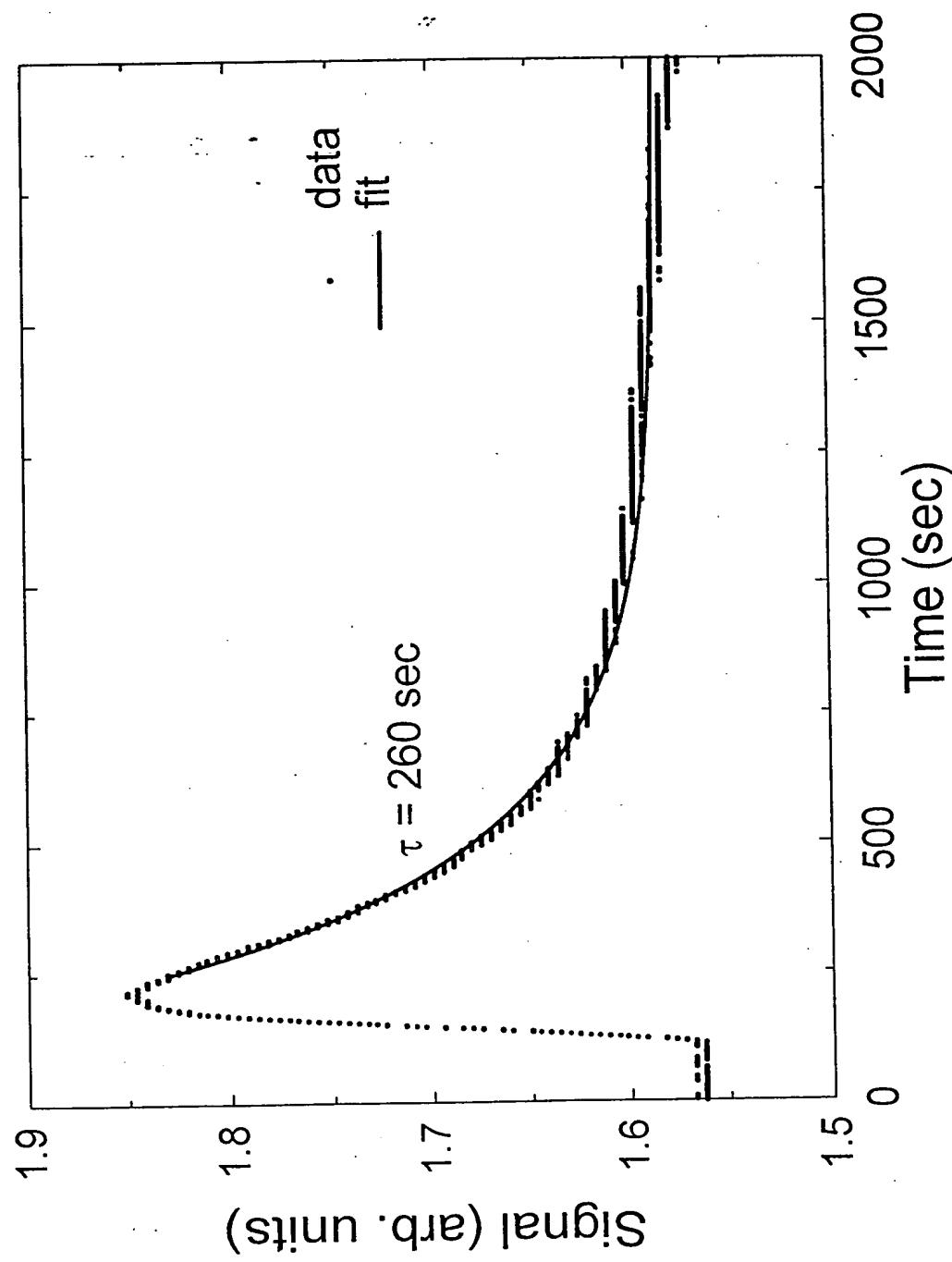


Figure 12

Blood clearance profile of indole disulfonate

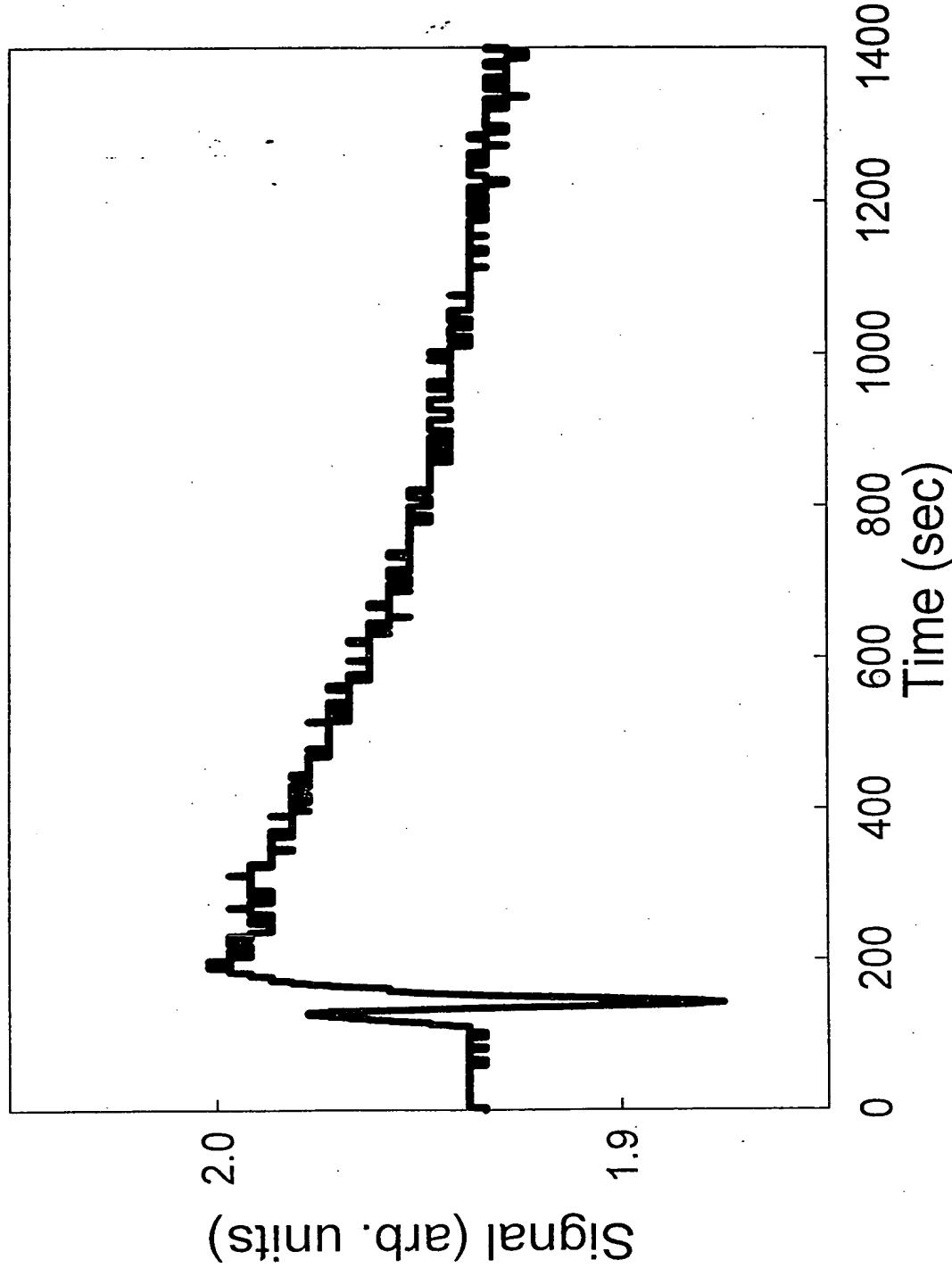


Figure 13

Blood clearance profile of cyaninetransulfonates

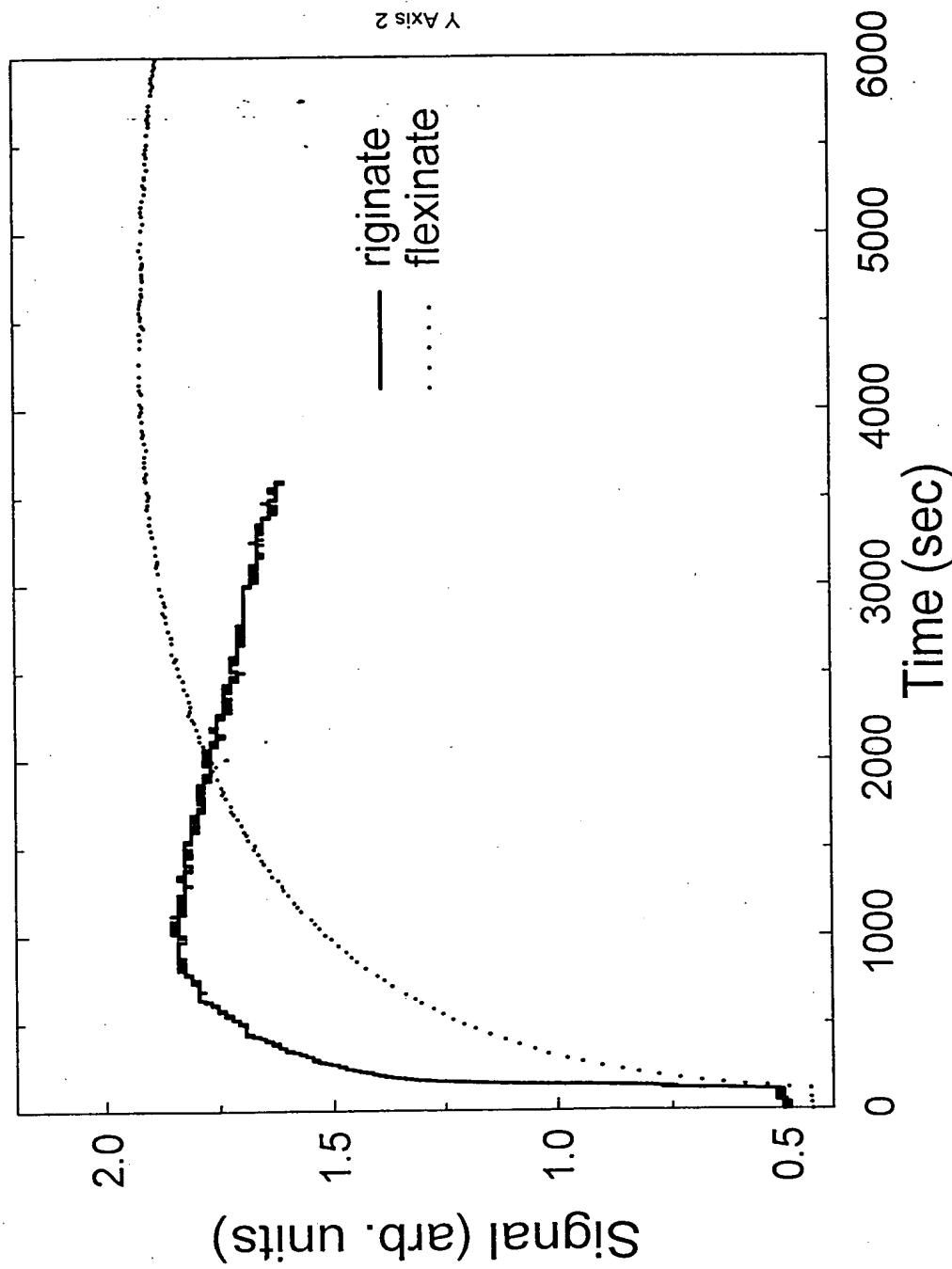


Figure 14